

Impact sound reduction according to ISO 140-8

Measurement of the impact sound reduction through a ceiling pad on a solid reference ceiling in test stands

On behalf of: **EGETÆPPER A/S, INDUSTRIVEJ NORD 25, DK-7400 HERNING**

Object:

Eco Compact WT

Assembly:

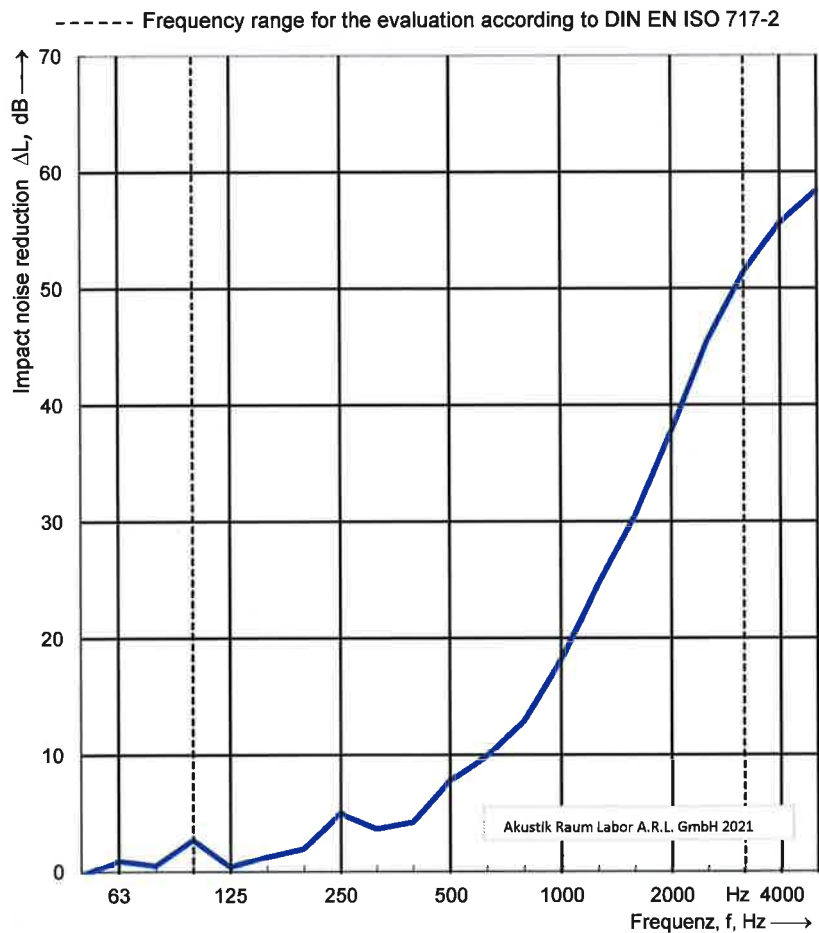
Item: 0890230
Batchno.: TH01742-0006
Dyelot: 8780
Dim.: 4000/3000/4.5mm



Volume of the receiving room: 53,3 m³
Test stand: HfT Stuttgart
Day of measurement: 29.06.2021

Temperature: 24,7 °C
Humidity: 43,9 %
Air pressure: 960 hPa

Frequency f [Hz]	L _{n,0} Third [dB]	ΔL Third [dB]
50	65,8	-0,3
63	56,9	0,9
80	58,3	0,5
100	62,6	2,7
125	67,1	0,4
160	71,0	1,3
200	70,0	2
250	69,0	5
315	69,9	3,7
400	70,6	4,3
500	71,3	7,8
630	71,4	9,9
800	71,5	12,9
1000	72,4	18,1
1250	74,8	24,6
1600	75,8	30,4
2000	74,8	37,7
2500	73,3	45,5
3150	73,5	51,4
4000	72,3	55,6
5000	70,2	58,4



Parameters according DIN EN ISO 717-2:

$\Delta L_w = 17 \text{ dB}$

$C_{1,\Delta} = -10 \text{ dB}$

$C_{1,r} = -1 \text{ dB}$

The measurement results are based on tests carried out with an artificial sound source.

Measurements in third octave band width.

Akustik Raum Labor

Report-No.: ARL202106250

Test-No.: T107

Wächtersbach,

20.09.2021

Signature:

Akustik Raum Labor A.R.L. GmbH
Industriestr. 38
63607 Wächtersbach

☎ + 49 (0) 6053 62067 0

☎ + 49 (0) 6053 62067 26

✉ info@akustik-raum-labor.de